BRUHAT BANGALURU MAHANAGARA PALIKE

SCHEDULE - B

NAME OF THE WORK: Special Repair to School building and Gymnasium Building and with Gym Equipments at Siddarta Nagar in ward no 16, Providing Play Equipments (out Door Gym) in Jalahalli Govt School in ward no 16 and Providing Play Equipments (out Door Gym) in JP Park Inside in ward no 17.

Sl. No.	Description	Unit	Qty	Rates in	
				Figures	words
1	Dismantling burnt brick masonry in clay mortar/lime mortar/cement mortar and stacking the bricks within a radius of 50m and removing the debris to a distance upto 200m	Cum.	38.71	276.00	Rupees Two Hundred Seventy Six Only
2	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. iii)Dismantling Stone Masonry. B. Rubble Stone masonry in cement mortar.	Cum.	10.74	333.00	Rupees Three Hundred Thirty Three Only
3	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications II. By Mechanical Means. A. Cement Concrete Grade M-15 &M-20.	Cum.	18.03	450.00	Rupees Four Hundred Fifty Only
4	Dismantling Mangalore tiles roof and stacking the material within a radius of 50 meters with reeper.	Sqm	49.41	47.00	Rupees Forty Seven Only
5	Dismantling AC Sheet roofing and stacking the material within a radius of 50 meters	Sqm	41.03	66.00	Rupees Sixty Six Only
6	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications II. By Mechanical Means. A. Cement Concrete Grade M-15 &M-20.	Cum.	18.03	476.00	Rupees Four Hundred Seventy Six Only
7	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications,	Cum.	97.59	190.00	Rupees One Hundred Ninety Only
8	Providing and laying in position plain cement concrete of mix1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted,in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications	Cum.	8.40	5436.00	Rupees Five Thousand Four Hundred Thirty Six Only
9	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) ,M 20 for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, for raft foundation column footing , main and secondary beams with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.)	Cum.	22.43	6866.00	Rupees Six Thousand Eight Hundred Sixty Six Only
10	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., including smooth finish in CM 1:3, with all lead and lift etc., complete. (exculsive of cost of steel and fabrication charges) Ready mixed Cement concrete for Beams, Columns, Staircase and Roof with M-20	Cum.	62.27	7000.00	Rupees Seven Thousand Only
11	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.	Cum.	12.54	5340.00	Rupees Five Thousand Three Hundred Forty Only
12	Providing T .M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design flaps, hooks and wastage shall not be measured and paid cost of materials, labour, HOM of machinery complete as per specifications	Tonne	10.53	74000.00	Rupees Seventy Four Thousand Only
13	Providing and removing centering, shuttering, strutting, propping etc. and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specification.	Sqm	185.64	370.00	Rupees Three Hundred Seventy Only

For K. DAMODAR & CO.

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Sl. No.	Description	Unit	Qty	Rates in	
				Figures	words
14	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons.	Sqm	44.44	286.00	Rupees Two Hundred Eighty Six Only
15	Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/polygon in plan including cost of all materials, labour complete as per specifications.	Sqm	223.04	429.00	Rupees Four Hundred Twenty Nine Only
16	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton.	Sqm	25.20	572.00	Rupees Five Hundred Seventy Two Only
17	Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications.	Sqm	21.51	333.00	Rupees Three Hundred Thirty Three Only
18	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications.	Sqm	241.94	286.00	Rupees Two Hundred Eighty Six Only
19	Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.64cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum.	13.50	6675.00	Rupees Six Thousand Six Hundred Seventy Five Only
20	Providing and constructing precast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.	Sqm	174.96	1049.00	Rupees One Thousand Forty Nine Only
21	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off comers wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	247.94	200.00	Rupees Two Hundred Only
22	Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	382.90	276.00	Rupees Two Hundred Seventy Six Only
23	KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications	Sqm	165.29	214.00	Rupees Two Hundred Fourteen Only
24	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.	Sqm	292.70	104.00	Rupees One Hundred Four Only
25	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, ncluding cost of all materials, cost of labour and scaffolding etc., complete as per the specification. Area to be considered -(a) 100% for fresh surface	Sqm	413.23	66.00	Rupees Sixty Six Only
26	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on Ceiling to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications	Sqm	165.29	104.00	Rupees One Hundred Four Only
27	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint and primer of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications.	Sqm	382.90	95.00	Rupees Ninety Five Only

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Sl. No.	Description	Unit	Qty	Rates in	
				Figures	words
28	Providing and fixing M.S.grill work for windows and Kgs ventilators using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.	kg	372.00	104.00	Rupees One Hundred Four Only
29	Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and I scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications.	Sqm	37.20	33.00	Rupees Thirty Three Only
30	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications	Sqm	37.20	95.00	Rupees Ninety Five Only
31	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 600 x 600 x 10mm thick fixed on bed of 12 thick cement mortar for flooring, skirting and jointed with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains etc., Complete as per specification.	Sqm	154.85	1239.00	Rupees One Thousand Two Hundred Thirty Nine Only
32	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification.	Sqm	85.66	1239.00	Rupees One Thousand Two Hundred Thirty Nine Only
33	Providing and fixing factory made single leaf rigid GRP Sandwich Sqm composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/ Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot.	Sqm	7.56	4768.00	Rupees Four Thousand Seven Hundred Sixty Eight Only
34	Providing and fixing 65mmx90mm GRP Doorframe fabricated m using E-Glass Chopped Strand Mat (CSM). U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame.	m	16.20	572.00	Rupees Five Hundred Seventy Two Only

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35	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31,75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1,25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality.including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar.	Sqm	37.20	4816.00	Rupees Four Thousand Eight Hundred Sixteen Only
36	ISO PROOF SEALER Providing waterproof treatment to roof slab using 2 coats of acrylic copolymer elastomeric ISOPROOF sealer & protector. The surface shall be prepared free of tar, dust, fungus, loose particles etc., The surface shall be applied with basecoat of crystallization liquid and then ISOPROOF, wetting agent and liquid (1:1:6) over the prepared surface. In addition the surface shall be provided with polysulphide/acrylic sealant to V groves, making haunch at junction of parapet and roof slab and at damaged portion using patching mortar to drain off rain water. Over this one coat of flexible cementatious membrane (FCM), Spreading 2 layers of 40 gsm non woven geotextile membrane as reinforcing material (over FCM) with one primer coat of ISOPROOF & applying second coat of ISOPROOF liquid over the primer coat - conforming to ASTM D 412 - 1992. The work shall be carried out as per the directions of the Engineer in charge.	Sqm	109.45	1144.00	Rupees One Thousand One Hundred Forty Four Only
37	Providing & fixing factory made PVC Door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at corners & jointed 2 No.s of 150mm lo ng brackets of 15x15mm M.S Square tube, the entire door frame to be reinforced with 19x19mm M.S Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size complete as per manufacturers specification & direction of Engineer-in-charge.	Sqm	6.00	619.00	Rupees Six Hundred Nineteen Only
38	Providing & fixing 30mm thick factory made rigid foam Panelled Door Shutters made from M.S. tube of 19 gauge thickness, size 19x19mm fro styles and 15x15mm for top & bottom rails, covered with heat moulded PVC channel of 5mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet fitted in the M.S. Frame, Sealed to the styles & rails with 5x30mm PVC sheet beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer- in-charge fixed to frames with 3 nos of 75 m.m Aluminium hinges.	Sqm	6.00	3719.00	Rupees Three Thousand Seven Hundred Nineteen Only
39	Providing and fixing M.S. Hand railing for Balcony/Staircase etc., Sqm with 50mm dia. M.S. hollow pipe of 14 gauge, welded to 20mmx20mm M.S. square rod placed vertically, spaced at 100mm at regular intervals of 600mm. These vertical rods laterally tied to 3 horizontal rods spaced at equal interval. These assembly is fixed to concrete by using expansion bolts and welding the same to reinforcement bars and making good the surface. All the joints and sections hould be cut to length, welded and grinded wherever necessary etc., complete . The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and drawing.	sqm	47.60	3242.00	Rupees Three Thousand Two Hundred Forty Two Only

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Sl. No.	Description	Unit	Qty	Rates in	
				Figures	words
40	Providing and fixing of UPRIGHT BIKE (GP-333) as per Engineer in Charge of the work. Machine design features proven biomechanics and advanced structural engineering. Quick start key allows commencing exercise with a touch of button. Challenging resistance levels help to you meet your fitness goals. Constant heart rate display keeps in the desired training for progressive cardio improving and weight loss. Low maintenance design delivers a fast return of investment. Rotating parts have high quality bearings, are durable in use and there is no noise while using. Heavy gauge welded steel construction. Stay fit GP 333 upright bike boasts a beautiful metallic coat finish on a frame of size Dimension : 50" (L) x 25" (W) x 56" (H) Drive System : Centre design drive, super silent poly-V belt driven. Pedals : Self balanced extra wide pedals with adjustable straps fit to any size user, close spacing, shock Absorbing, air cushion and provides gentle movements. Seat : Ergonomically designed comfortable seat with flex cushion with 29 levels seat adjustment. Handle Bars: U-Bar style with ergonomically elbow support pad and in-built contact heart rate sensors with hand grips. Centre of Gravity : Low COG combined with a balanced frame prevents rocking. Cardio Monitor : In-built hand grip pulse sensor provided with handle grip pulse sensor provided with handle grips enables to the cardio monitoring on board. Display : Computerized console.Display Feedback : Multi feedback read out instantly displays time, distance, RPM, calories, pulse, speed, resistance level, watts and mets.Programs – bodyfat, manual program, HRC, Cardio zone User Weight : 150 Kgs. Transportation : Transportation wheels for easy movement. Crank Assembly : 3 Pieces crank assembly. Frame Structure : Extra sturdy and stable steel frame construction/Arched support frame for maximum durability and stability. Frame Finishing : Proprietary two coat powder process. Rust proof : All frame structures electro statically powder coated to ensure minimum corrosion and chip resistance. TRANSMISSION 1)Brake system : Magnetic (Auto Tension) 2)Drive system : V-BELT 3)Generator : DIA.260 mm, one way 4) Crank : 3 PCS FEATURES 5)Tension : 16 LEVEL TENSION 6) Seat adjustment : QUICK RELEASE7) Transportation castors : FRONT WHEEL 8) Product size : 1200 x 620 x 1500 mm COMPUTER 1) Computer function : Time/ RPM/ Speed Distance/ Watt/ Calories/ H.R.C./ Heart Rate Control/ Body Fat/ Pulse/ 10 Programs.2) Hand Pulse Meter : YES – Program : 12 progrms3)Target Heart Rate : YES (55%/ 75%/ 90%/ IND)4)Additional Features : Pulse Recovery + BACKLIGHT	No	1.00	190740.00	Rupees One Lakh Ninety Thousand Seven Hundred Forty Only
41	Providing and fixing of motorized Tread Mill (GP-999) is built for the long run. Our gola was to build a treadmill that people would want to use instead of running outside, even if weather conditions were perfect. Our engineers have built a revolutionary treadmill that's fully-loaded with patented technology and exclusive performance features. Our treadmills are powerful running, walking, and jogging machines that are the top choice among exercise enthusiasts around the world. From the basic to the ultimate corporate/club use model, there's nothing like training on a STAY FIT Commercial Series. Stay fit treadmills are built to perform to the scrutinizing standards of commercial health club equipment. Compare the features of these extraordinary machines, and you'll discover the qualities that make stay fit they primer name in the cardio fitness. Flex Deck Cushioning System – The durable flex deck cushioning system delivers proportional cushioning effects regardless of while using Treadmill. Large Running Surface – The W22" x L62" running surface provides ample space and is constructed from carbon weave, low friction material that is resistant to static build-up. Powerful Motor - The powerful AC 3.0 HP continuous / 6 HP Peak motor self-cools and self-cleans providing commercial-grade durability and extending the life of the motor as per Engineer in Charge of the work. Commercial-Grade Components – Superior grade engineering and commercial grade components provide reliability and equipment durability of Motor: Commercial Grade AC 3.0HP / 6HP Peak Duty Motor Speed: 0.8 – 22 km/h Instant Keys: 1, 2, 4, 6, 8, 10, 12 Kms. Incline: Precise incline control from 0-15% Instant Keys: 2, 4, 6, 8, 10, 12 Degrees Cushion Deck: 25.4 mm medium density fiberboard with intelligent shock absorption system Tread Belt: Heavy Duty two ply commercial running belt 3 mm thickness Running Distance: 560 x 1563 mm (22 x 63") Rollers: Precision steel 73mm (2.4") Program: 10 x10 levels Pre Programmed - Full set of programs, Manual, Interval, Rolling, Fat Burn, Aerobic, Hill Run, Hill Climb, Weight Loss, Heart Rate Programme for different training programmes 100 workouts. Fan : High speed circulation fan, Electrical Requirement: 22v/9amp/50hz Holders Rack: Two removable cup/bottler holders integrated accessory tray Grippers: Aluminum foot rail antiskid proof User Weight: Max user weight: 180kgs Unit weight: 169kgs	No	2.00	429165.00	Rupees Four Lakh Twenty Nine Thousand One Hundred Sixty Five Only

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